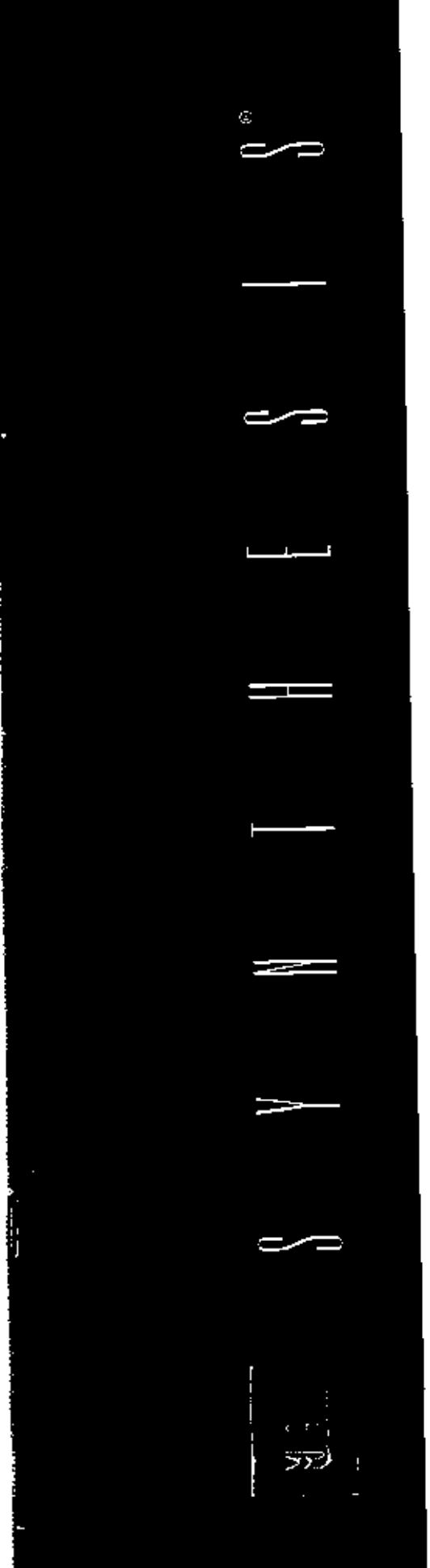

SYNTHESIS OWNER'S MANUAL– SDP-1

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JBL Synthesis System
Owner's Manual

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H A Harman International Company

SYNTHESIS

CONGRATULATIONS. Your Synthesis Home Media System is a wonderful investment in a lifetime of quality home entertainment. Only JBL can provide a system of this caliber. Since the "JAZZ SINGER" brought sound to films in 1929, the letters J-B-L have been intimately linked to the production of the world's finest films. Our 50 year devotion to the art of sound reproduction has made JBL an integral part of the musical experience.

Now your Synthesis Home Media System has placed the best seat in the house, in your home. We invite you to sit back, and enjoy the perfection of this state-of-the-art sight and sound system.

System Installed for: _____
(Owner)

At: _____

_____

_____
(Address)

On: _____
(Date)

Installed By: _____
(Installer)

From: _____
(Dealership)

For Service , Call: _____
(Dealers Phone Number)

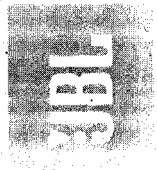
For JBL Customer Support and Satisfaction, Call:

JBL Synthesis Service Manager

1-(800) 645-7484, extension 233

On Long Island call

(516) 496-3400, extension 233



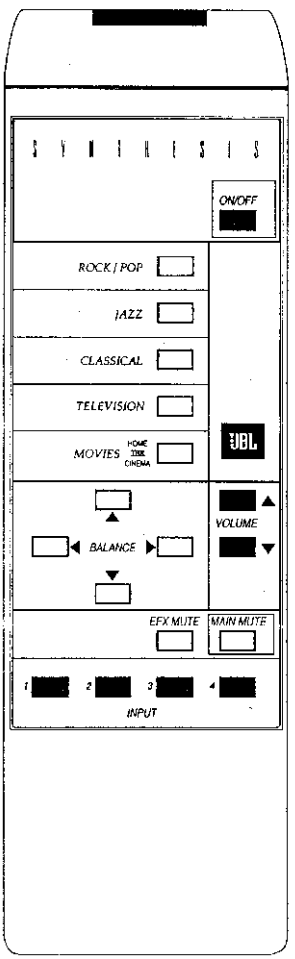
1.0 BASIC OPERATIONS

1.1 Powering Up

The system can easily and quickly be turned on using the Remote Controller, pictured on this page. Simply push the button marked ***ON/OFF*** *and the* Surround Processor, Amplifiers, Equalizers, Crossovers, *and* Speakers *will all automatically power up, in sequence. Alternatively, the front panel* ***ON/OFF*** *button on the surround processor may be used. If you have difficulty, make sure the Master Power switch on the rear of the processor is On.*

Next, turn on the Source Devices you want to use — VCR, Laser Disc player, CD, Television/Video, Audio Cassette Player.

You can turn these on in any order.



1.2 Basic Remote Control Operations

Your JBL Synthesis ***Remote Controller*** *unit handles virtually all of the functions of the system. Basic Operations include Selecting Source Devices, and Adjusting the Master Volume, Muting the System, and Adjusting the Audio Balance.*

1.2.1 Selecting Source Devices

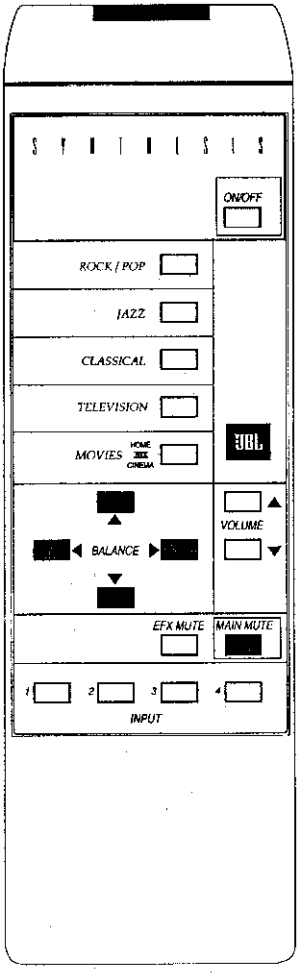
Examine the lower half of the Remote Controller and locate the four buttons with ***INPUT*** *labeled below them. Your Installer, with your consultation, has determined the sources available for use in your system, and has assigned them to individual buttons. He or she will tell you what the button assignments are.*

To select a source device, simply press the corresponding button. The surround processor will engage that source.

1.2.2 Adjusting the Master Volume

The Master Volume buttons on the right hand side of the Remote Controller are used to adjust the Output Levels of the system. Press the ▲ *button to make things* Louder, *and the* ▼ *button to make things* Softer. *These buttons do not adjust the Input Levels of the Source Devices. In fact, we recommend that you* ***do not*** *do so. They have been set and calibrated to mesh flawlessly with the system, and adjusting them directly can throw the system out of balance.*

NOTE: If, over time, you notice that one Source Device consistently sounds too loud or too soft, call your Certified Dealer. He or she will adjust the levels and reset the new levels as your "Reference Levels" to which you can return if the system's sound goes awry.



1.2.3 Muting the System

There may be situations where you quickly want to cut all of the audio output, for example, when you are answering the phone or having a conversation. To do so, press the button labeled ***MAIN MUTE****, located near the bottom right hand corner of the Remote Controller. All of the audio output will cut out immediately while keeping the system on. On the front panel of the surround processor, both MAIN and EFX MUTE lights will be turned on, and the front panel display will read "SYSTEM MUTED". Pressing the MAIN MUTE button once again will re-enable the audio to come out of the speakers.*

In generating the various surround modes, the SDP-1 adds additional synthesized audio information to the incoming signal. To mute these signals only, press EFX MUTE, located next to MAIN MUTE. Pressing this button will light up the EFX MUTE light on the front panel and the display will read "EFFECTS MUTED".

Pressing this button again will restore the processor to its previous mode of operation. ***This is the simplest way to play "normal" two channel stereo.***

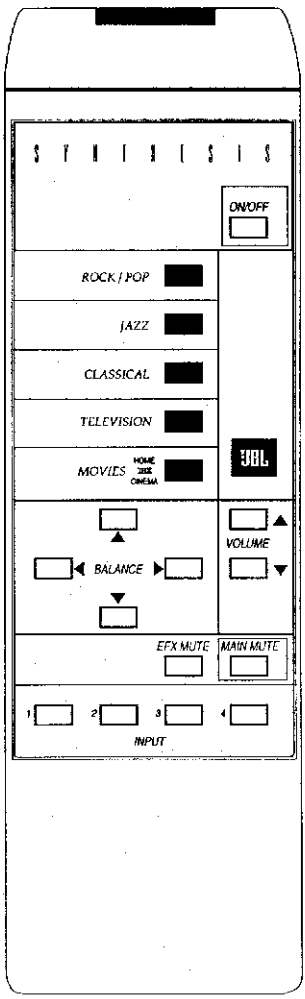
1.2.4 Adjusting the Audio Balance

Use the balance controls to adjust for out of the ordinary listener position. To adjust the audio balance of the system, locate the four buttons in the middle of the remote controller labeled BALANCE. Pressing the ▲ key will increase the levels of the front channels relative to the rear, and pressing the ▼ key will increase the levels of the rear channels relative to the front. Pressing the ◄ button will increase the left channel sounds relative to the right, and pressing the ► button will increase the right channel sounds relative to the left.

1.3 The Various Cinema and Music Modes

Your Synthesis SDP-1 Surround Processor is a highly advanced unit that has the ability to electronically recreate various listening environments, such as nightclubs, jazz clubs, concert halls, and stadiums. Furthermore, it can take information from monaural sources and create a synthesized stereo sound that will definitely enhance your listening experience. Finally, it has a Home THX mode, which when used in conjunction with Surround Sound encoded software, will provide you with the same experience that the movie director felt when mixing the soundtrack in the dubbing studio.

The SDP-1 has 45 different operating modes to choose from. Based on our experience with different listening environments and various soundtracks, we have selected five standard modes that we think are best suited towards reproducing the widest variety of software. They have been carefully chosen to give you an awesome sensory experience, and are directly accessible from the Remote Controller.

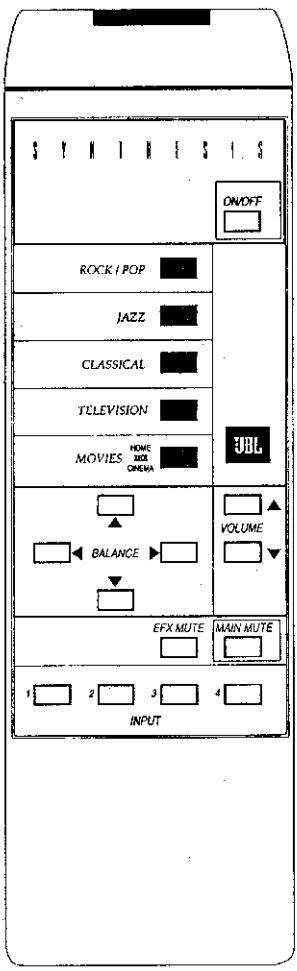


Feel free to play with the five modes using various pieces of software. If you would like to try the other modes available, your JBL Certified Installer can demonstrate them to you and can reprogram your Remote Controller with your favorites.

- *Rock/Pop*

The Rock Mode allows you to have the best of all possible worlds, with enhanced localization of sounds on the front channels, plus a high degree of ambience as well. This mode does an excellent job at putting vocals in the center, and the effects to the left or right, where they should be. The ambience effects that are added will "surround" you and make you feel like you are in the middle of the performance. This mode works well with Rock, Popular, and most electronic and New Age recordings as well. Experiment with this mode on non-surround encoded films or television shows, you might like what you hear.

To engage this mode, simply press the ***ROCK/POP*** *button.*



• *Jazz*

The operative word here is "live", as the Jazz mode makes most music sources sound engagingly present. This mode gives the best re-creation of the original recording venue, but covers a somewhat limited seating area, such as in a jazz club or bar. Select this mode for the intimate listening of any type of music.

To engage this mode, simply press the ***JAZZ*** *button.*

• *Classical*

The Classical mode brings you the experience of being in some of the world's greatest concert halls, with your seat in the third row. This mode has been designed for works on a broader acoustic canvas, like orchestral and operatic works, and covers a very large listening area.

To engage this mode, simply press the ***CLASSICAL*** *button.*

• *Television*

The Television mode provides surround effects for television viewing of monaural, stereo, and stereo synthesized programs. Use this mode to make your TV viewing experience "multi-dimensional" and spacious.

To engage this mode, simply press the ***TELEVISION*** *button.*

• *Movies*

The Movies or Home THX Cinema mode has been designed to work with any surround sound encoded movie, music, or television program. This mode incorporates the cinema Dolby Surround technology and provides a performance virtually identical to a THX or Dolby theatre experience. In this mode, when using Dolby Surround encoded software, you will experience exactly what the director heard during the mixing of the soundtrack.

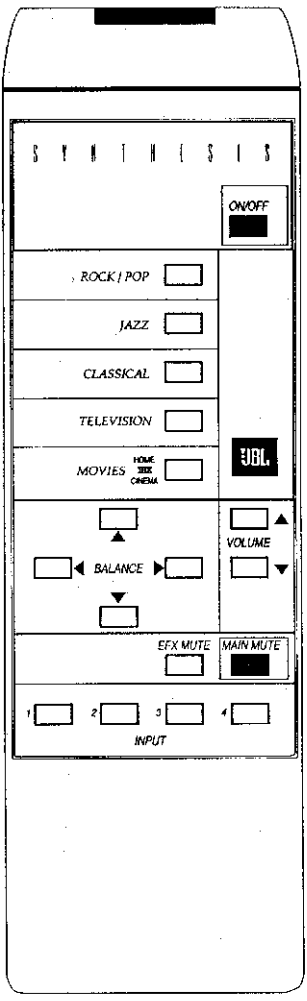
To engage this mode, simply press the ***MOVIES*** *button.*

1.4 Turning the System Off

There is no preferred order of components when turning the system off. However, there is one caution you should follow:

NOTE: Do not turn the system off while any Source Device is running and producing sound. Always make sure all Source Devices are in "Idle" before pressing the main ***ON/OFF*** button.

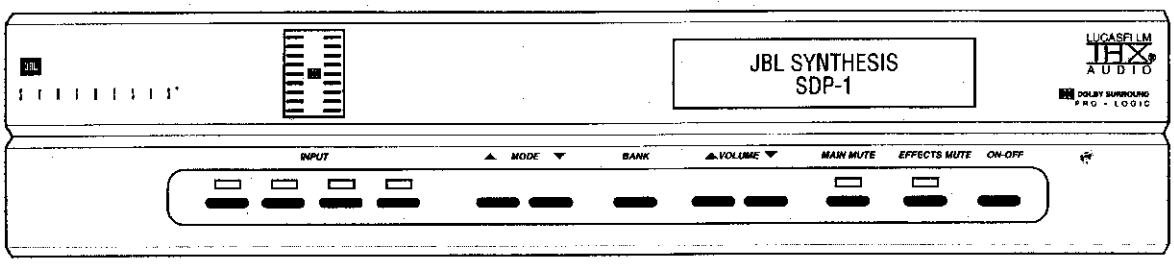
Failure to do this can produce a noticeable "pop", *and can, over time, damage your components. If you need to turn off the sound to the system suddenly, for example, to take a phone call or to reply to someone, press the* ***MAIN MUTE*** *button.*



Notes

2.0 FRONT PANEL CONTROLS

FRONT PANEL CONTROLS 2.0



All the necessary functions needed to operate the SDP-1 Surround Processor are located on the Remote Controller. If necessary, most of these functions can be accessed on the front panel of the unit as well.

MODE

These buttons are used to step through the surround modes that have been programmed into the unit. Press ▲ to move up through the mode list, and press ▼ to move down. In the normal or default mode, the five modes available will be ROCK/POP, JAZZ, CLASSICAL, TELEVISION, and MOVIES. For your particular system, your JBL Certified Installer may substitute different surround modes and will show you how to access them.

BANK

The SDP-1 incorporates three memory banks of 15 modes each, labeled "PRESET," "USER BANK A" and "USER BANK B" that are capable of storing up to 45 different surround modes for you to access. In the normal or default mode, five that we consider to be most useful for audio presentation have been pre-programmed into the unit. When used in the default mode, the BANK button is inoperative. For customized installations, your JBL Certified Installer may program various modes into these three memory banks. Use of the BANK button in these installations will allow you to select the memory bank that you desire.

The balance of these buttons perform the identical function as the remote, so please refer to the Remote Controller instructions for their functionality.

SERVICE 3.0

Once the system is in place, it should need little or no attention. The components are of the highest quality, and are built to withstand the rigors of professional use. This Section outlines service policies and warranties.

3.1 General Service Policy

The JBL Synthesis System *is backed by our exclusive* "48–hour (no-down-time) Service Policy". *

Any time within a component's warranty period that you report trouble to your certified JBL Synthesis Dealer, *he will determine the nature of the problem and contact* JBL *within 24 hours.*

If a damaged component is within the first 30 days of its warranty period JBL *will send your* JBL Synthesis Dealer *a replacement unit, to be installed in your system, within the specified 24 hour period, after* JBL *has been contacted.*

If more than 30 days of your component's warranty period has lapsed, and the damaged component is still covered under warranty, JBL *will provide your* JBL Synthesis Dealer *with a loaner unit within the same 24 hour period to be installed in your system, and your unit will be sent to* JBL *for repair.*

This policy applies to systems purchased in the USA only. Outside the USA please contact the local distributor for warranty service.

*Weekends and holidays are excluded from this policy.

3.2 Audio Service

• Electrical components

All Electronic components are fully warranted for two years, including parts and labor. *Any problems occurring within the two year warranty period will be covered by the* JBL Synthesis exclusive "48-hour no-down-time" *Service Policy.*

• Loudspeakers

All Loudspeakers are fully warranted for five years, including parts and labor. *Any problems occurring within the five year warranty period will be covered by the* JBL Synthesis exclusive "48-hour no-down-time" *Service Policy.*

The vast majority of service calls for Audio will simply require resetting the system. Call your certified JBL Synthesis Dealer.

An Installer will make an appointment to reset the system. On arrival, he or she will refer to the Templates *in the last section of your Manual, and will reset any components which require it.*

Call your certified JBL Synthesis Dealer *for a replacement unit, or to initiate the use of a loaner. If for any reason you are dissatisfied or need additional assistance, call:*

JBL Synthesis Client Service Manager

(800) 645-7484, extension 233

On Long Island call

(516) 496-3400, extension 233